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(71) Applicant (*for all designated States except US*): GENENCOR INTERNATIONAL, INC. [US/US]; 925 Page Mill Road, Palo Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): JONES, Brian, Edward [GB/NL]; Gravin Juliana van Stolberglaan 24, NL-2263 VA Leidschendam (NL). GRANT, William, D. [GB/GB]; 15 The Tithings, Kibworth Beauchamp Leicestershire LE8 0PU (GB). HEAPHY, Shaun [GB/GB]; 426 Uppingham Road, Leicester Leicestershire LE5 2DP (GB). REES, Helen, C. [GB/GB]; Flat 3, 15 Moor Oaks Road, Sheffield S10 1BX (GB). GRANT, Susan [GB/GB]; 15 The Tithings, Kibworth Beauchamp Leicestershire LE8 0PU (GB).

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: NOVEL LIPOLYTIC ENZYME ELIP

(57) Abstract: ABSTRACT The present invention provides a novel nucleic acid sequence, designated *ELIP*, encoding a lipolytic enzyme and the corresponding encoded amino acid sequences. The invention also provides expression vectors and host cells comprising a nucleic acid sequence encoding at least one novel lipolytic enzyme, recombinant lipolytic enzyme proteins and methods for producing the same.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/14685

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 9/20, 1/20, 15/00; C07H 21/04  
 US CL : 435/198, 252.3, 320.1; 536/23.2; 510/226

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/198, 252.3, 320.1; 536/23.2; 510/226

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 STN & WEST.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	REES et al. Detecting cellulase and esterase enzyme activities encoded by novel genes present in environmental DNA libraries. Extremophiles. October 2003, Vol. 7, No. 5, pages 415-421. See page 417, Table 1, ELIP clone, 4313 bp; page 418, ELIP predicted amino acid sequence which is identical to Applicants' SEQ ID NO: 3. Applicants SEQ ID NO: 1 is also 4313 bp in length.	1-13
A,P	VARGAS et al. Lipase-producing microorganisms from a Kenyan alkaline soda lake. Biotechnology Letters. January 2004, Vol. 26, No. 2, pages 81-86.	1-13

Further documents are listed in the continuation of Box C.



See patent family annex.

### \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
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document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

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Authorized officer

Tekchand Saidha

Telephone No. (571) 272 1600